OMRS Report
UIPT F8V2 Entry

Flight: ULF1

Payload: Space Dynamically Responding Ultrasonic Matrix Sys

151502	2	LEAK CHECK	SSPF	A:PUSDRUMS
	1-000			B:
	1-001	UPON CONNECTION OF THE SPACE-DRUMS PM	NO VISIBLE LEAKAGE	C:
	1-002	FLIGHT UNIT TO THE MTL, VISUALLY		
	1-003	INSPECT AND VERIFY THAT NO LEAKS EXIST		
	1-004	AT THE QUICK DISCONNECT.		
	1-005			
	1-006			D:
151503	2	POWER FUNCTIONAL I/F TEST	SSPF	A:PUSDRUMS
	1-000			B:
	1-001	VERIFY OPERATION WHEN POWERED BY		C: R-1: RECORD CURRENT DRAW OF
	1-002	EXPRESS RACK.		PAYLOAD ONCE POWER UP IS COMPLETED
	1-003			- FOR ENGINEERING DATA ONLY.
	1-004	PM-CMA-01-TMP/PAP (LED)	ON	
	1-005			R-2: LABELS FOR EACH LED AS
	1-006	PM-CMA-02-MHSCU (LED)	ON	FOLLOWS:
	1-007			MDL POSITION 2 (APEM) - "POWER
	1-008	APEM CMA (LED)	ON	IND"
	1-009			MDL POSITION 6 (PCEM) - "POWER
	1-010	PCEM CMA (LED)	ON	IND"
	1-011			MDL POSITION 7/8 (PM UPPER CMA) -
	1-012	STATUS DISPLAY (LCD)	BLINKING CURSOR	"POWER IND"
	1-013			MDL POSITION 7/8 (PM LOWER CMA) -
	1-014			"POWER IND"
	1-015			
	1-016			

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Flight: ULF1

Payload: Space Dynamically Responding Ultrasonic Matrix Sys

	1-017			D:
151504**	3	CAUTION & WARNING H/S CHECK	SSPF	A:PUSDRUMS
	1-000			B:
	1-001	ONCE THE PAYLOAD IS FULLY INTEGRATED,		C:
	1-002	PERFORM A POWER UP ACCORDING TO NORMAL		
	1-003	ON-ORBIT PROCEDURES AND RECORD HEALTH		
	1-004	AND SAFETY DATA SENT BACK FROM PCEM.		
	1-005			
151504-A	1-006	INDUCE ADVISORY CODE		
	1-007			
	1-008	INDUCE ADVISORY CODE FOR SPACE-DRUMS	VERIFY ADVISORY BIT	
	1-009	WHILE POWERED IN THE EXPRESS RACK	SET	
	1-010			
151504-B	1-011	INDUCE WARNING CODE		
	1-012			
	1-013	INDUCE WARNING CODE FOR SPACE-DRUMS	VERIFY WARNING BIT	
	1-014	WHILE POWERED IN THE EXPRESS RACK	SET AND PROPER	
	1-015		PAYLOAD MDM ACTION	
	1-016			
	1-017			D:
151506**	2	FINAL FLIGHT CLOSEOUT	SSPF	A:PUSDRUMS
	1-000			B:
	1-001			C: C-1: HARD DRIVE CLEANUP TO BE
151506-A	1-002	COMPUTER HARD DRIVE CLEANUP		PERFORMED BY PD BEFORE FINAL POWER
	1-003			DOWN AT PTCS

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Flight: ULF1

Payload: Space Dynamically Responding Ultrasonic Matrix Sys

	1-004	ALLOW PD TO DELETE TEMPORARY FILES ON	CUSTOMER VERIFIED	
	1-005	PCEM HARD DRIVE AND VERIFY FINAL	HARD DRIVE CONTENT	R-1: SWITCH LABELS:
	1-006	SOFTWARE VERSION		PM-CMA-01 (UPPER) - "POWER A"
	1-007			PM-CMA-02 (LOWER) - "POWER B"
151506-B	1-008	PRE-LAUNCH SWITCH SETTINGS		STATUS DISPLAY POWER - "POWER"
	1-009			APEM CMA - "POWER"
	1-010	INSPECT SWITCH SETTINGS AFTER		PCEM CMA - "POWER"
	1-011	INTEGRATION INTO MPLM		IPM BATTERY POWER - "POWER"
	1-012			
	1-013			
	1-014	PM-CMA-01 (UPPER)	OFF	
	1-015			
	1-016			
	1-017	PM-CMA-02 (LOWER)	OFF	
	1-018			
	1-019			
	1-020	STATUS DISPLAY POWER	OFF	
	1-021			
	1-022			
	1-023	APEM CMA	OFF	
	1-024			
	1-025			
	1-026	PCEM CMA	OFF	
	1-027			
	1-028			
	1-029	PCEM MASTER	OFF	
	1-030			

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Flight: ULF1

Payload: Space Dynamically Responding Ultrasonic Matrix Sys

	1-031				
	1-032	PCEM KILL	OFF		
	1-033				
	1-034				
	1-035	IPM BATTERY POWER	OFF		
	1-036				
	1-037			D:	
151507	3	ESD PROTECTION	SSPF	A:	GENERAL REQUIREMENT
	1-000			B:	
	1-001	ALL MODULES SHALL BE CONNECTED TO		C:	
	1-002	FACILITY GROUND. USE ESD PROTECTION			
	1-003	WHEN MODULES ARE NOT GROUNDED OR WHEN			
	1-004	CONNECTORS ARE EXPOSED.			
	1-005				
	1-006			D:	
151508**	3	C&DH/POIC FUNCTIONAL I/F TEST	SSPF	A:	PUSDRUMS
	1-000			B:	
	1-001	PERFORM CHECK OUT USING PTCS OF		C:	C-1: KSC POIC EHS SYSTEMS AND PL
	1-002	SELECTED POIC COMMAND AND TELEMETRY			TREK SYSTEM TO BE USED
	1-003	DATA BASE FUNCTIONS BY SENDING			
	1-004	COMMANDS AND FLOWING TELEMETRY.			C-2: KSC POIC COMMAND AND
	1-005				TELEMETRY DATABASES TO BE USED
151508-A	1-006	ISSUE/VERIFICATION			
	1-007				C-3: PERFORM A SUB-SET OF COMMANDS
	1-008	ISSUE AND VERIFY COMMANDS.	COMMANDS SENT AND		USING PDSS WITH KSC-EHS

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Flight: ULF1

Payload: Space Dynamically Responding Ultrasonic Matrix Sys

	1-009		EXECUTED	
151508-B	1-010	PROCESS TELEMETRY		R-1: COMMANDS TO BE SELECTED BY
	1-011			TEST TEAM/CUSTOMER
	1-012	DOWN-LINK AND PROCESS TELEMETRY	NO DROPPED PACKETS	
	1-013		OR HEADER ERRORS	R-2: PERFORM COMMANDING TO EXPRESS
	1-014	(REF. R-3, R-4)	AND CUSTOMER	RACK USING EHS WORK STATION
	1-015		VERIFIED CONTENT OF	
	1-016		DATA	R-3: HEALTH &STATUS WILL BE
151508-C	1-017	FILE UPLOAD		CONTINUOUSLY GENERATED AT 1 HZ
	1-018			WHILE PAYLOAD IS POWERED AND PCEM
	1-019	TRANSFER SPECIFIED SOFTWARE FILE FROM	CUSTOMER VERIFIED	IS OPERATIONAL
	1-020	EMU TO PCEM		
	1-021			R-4: SCIENCE DATA WILL INCLUDE
151508-D	1-022	FILE DOWNLOAD		HARDWARE INPUTS AND CORE TECH INFO
	1-023			AT 1 HZ RATE PLUS DIGITAL VIDEO
	1-024	DOWNLINK FILE AS TELEMETRY	NO DROPPED PACKETS	DATA AT MAXIMUM 1MB/SEC RATE
	1-025		OR HEADER ERRORS	
	1-026		AND CUSTOMER	R-5: APERIODIC DATA WILL INCLUDE
	1-027		VERIFIED CONTENT OF	ERROR GENERATIONS, SOFTWARE ERROR
	1-028		DATA	CODES AND SYSTEM FAILURE CODES.
	1-029			
	1-030			
	1-031			D:
151510		CLEANLINESS	SSPF	A:PUSDRUMS
	1-000			B:
	1-001	PERFORM CLEANING OF ALL MODULES AFTER	VISIBLY CLEAN	C: C-1: PERFORM PRIOR TO INSTALLATION

OMRS Report
UIPT F8V2 Entry

Flight: ULF1

Payload: Space Dynamically Responding Ultrasonic Matrix Sys

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          1-002 COMPLETION OF TESTING PRIOR TO AND          SENSITIVE AS PER      INTO MPLM AS WELL AS AFTER
          1-003 AFTER INSTALLATION INTO RACK.               JSC SN-C-0005         INSTALLATION INTO RACK FOR FINAL
          1-004                                                                   LAUNCH CONFIGURATION
          1-005
          1-006                                                                   R-1: USE KSC PROVIDED CLEANING
          1-007                                                                   MATERIALS
          1-008
          1-009                                                                   R-2: HAND WIPE DOWN OF HARDWARE
          1-010                                                                   EXPOSED SURFACES
          1-011
          1-012
          1-013                                                         D:
          1-014                                                         REF: VS-C PER JSC-SN-C-0005

151513**   2    COOLANT LOOP SERVICING                    SSPF          A:PUSDRUMS
          1-000                                                         B:
          1-001 CHARGE SPACE-DRUMS FLUID LOOP (PM-TMS)                  C: C-1: FLUID LOOP TO BE FILLED USING
          1-002 WITH ITCS COOLANT.  VERIFY COOLANT IN                      VACUUM FILL METHOD
          1-003 PM-TMS LOOP IS COMPLIANT WITH ISS
          1-004 REQUIREMENTS.                                              C-2: PERFORM PRIOR TO EXPRESS RACK
          1-005                                                            INTEGRATION
          1-006 CHLORIDES                                 MAX 1.0 PPM
          1-007                                                            C-3: PERFORM PRIOR TO DEMATE FROM
          1-008 DISSOLVED OXYGEN                          MIN 6.0 PPM      PTCS
          1-009
          1-010 TOTAL ORGANIC CARBON                      MAX 5 PPM        R-1: OBTAIN PARTICULATE COUNT
          1-011                                                            AGAINST LEVEL 200, BASELINE DATA
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UIPT F8V2 Entry

Flight: ULF1

Payload: Space Dynamically Responding Ultrasonic Matrix Sys

	1-012	DI/TRI SODIUM PHOSPHATE	200-250 PPM AS PO4	ONLY
	1-013			
	1-014	SODIUM BORATE	800-1250 PPM AS	R-2: SILVER SULFATE CONTENT MAY BE
	1-015		B4O7	OBTAINED FOR ENGINEERING DATA
	1-016			
	1-017	SILVER SULFATE	BASELINE DATA	
	1-018			
	1-019	PH LEVEL	9.5+/-0.5	
	1-020			
151513-A	1-021	EXPRESS RACK PRE-INTEGRATION		
	1-022	(REF. C-2)		
151513-B	1-023	FINAL FLIGHT CLOSEOUT		
	1-024	(REF. C-3)		
	1-025			
	1-026			D:
156543		SHARP EDGE INSPECTION	SSPF	A:PUSDRUMS
	1-000			B:
	1-001	PERFORM VISUAL AND/OR HAND INSPECTION	EVA GLOVE SWATH IS	C: C-1: PERFORM IN LAUNCH
	1-002	FOR SHARP EDGES USING EVA GLOVE SWATH	NOT SCRATHED WHEN	CONFIGURATION
	1-003		RUBBED OVER EDGES	
	1-004			R-1: REFERENCE OMRS FILE 2 VOLUME
	1-005			2 TABLE P01000.010 FOR SHUTTLE I/F
	1-006			AND REF. SSP 50005 (ISS FLIGHT
	1-007			CREW INTEGRATION STANDARD) FOR
	1-008			STATION I/F.
	1-009			

OMRS Report
UIPT F8V2 Entry

Flight: ULF1

Payload: Space Dynamically Responding Ultrasonic Matrix Sys

	1-010			
	1-011			D:
	1-012			REF: NO SHARP EDGES AS PER PARA 3.6.3
	1-013			OF SSP 52000-IDD-ERP
156544**	2	HOSE FIT CHECK	SSPF	A:PUSDRUMS
	1-000			B:
	1-001			C:
156544-A	1-002	VACUUM HOSE		
	1-003			
	1-004	PERFORM FIT CHECKOF VACUUM HOSE	HOSE CONNECTS	
	1-005	BETWEEN EXPRESS RACK AND PM		
	1-006			
156544-B	1-007	MTL HOSES (2)		
	1-008			
	1-009	PERFORM FIT CHECK OF MTL HOSES BETWEEN	BOTH HOSES CONNECT	
	1-010	EXPRESS RACK AND PROCESSING MODULE		
	1-011			
	1-012			D:
156545**	2	VIDEO FUNCTIONAL I/F TEST	SSPF	A:PUSDRUMS
	1-000			B:
	1-001	INTERFACE FUNCTIONAL TEST		C: C-1: ROUTE VIDEO THROUGH KSC VIDEO
	1-002			SET TO SSPF FACILITY VIDEO
156545-A	1-003	OPERATIONAL FIBER OPTIC VIDEO (J16)		SWITCHER TO BE DISPLAYED ON CCTV
	1-004			GROUND MONITORS
	1-005	DEMONSTRATE THAT A PAYLOAD VIDEO	CUSTOMER VERIFY	

OMRS Report
UIPT F8V2 Entry

Flight: ULF1

Payload: Space Dynamically Responding Ultrasonic Matrix Sys

	1-006	SIGNAL CAN BE DISPLAYED ON AN NTSC	ACCEPTABLE VIDEO ON	C-2: ROUTE VIDEO THROUGH VBSP HRFM
	1-007	COMPATIBLE CCTV MONITOR USING DIGITAL	CCTV UP TO 1 MB/	
	1-008	VIDEO DOWNLINK	SEC MAXIMUM	R-1: VIDEO DATA WILL BE
	1-009		TRANSFER RATE	CONTINUOUSLY GENERATED INA DUAL
	1-010	(REF. C-1, C-2)		STREAM (TWO CAMERA FEEDS)WHILE
156545-B	1-011	MAINTENANCE FIBER OPTIC VIDEO (J16)		PAYLOAD IS PROCESSING.
	1-012			
	1-013	DEMONSTRATE THAT A PAYLOAD VIDEO	CUSTOMER VERIFY	
	1-014	SIGNAL CAN BE DISPLAYED ON AN NTSC	ACCEPTABLE VIDEO ON	
	1-015	COMPATIBLE CCTV MONITOR USING ANALOG	CCTV UP TO 1 MB/	
	1-016	VIDEO DOWNLINK	SEC MAXIMUM	
	1-017		TRANSFER RATE	
156545-C	1-018	ON BOARD VIDEO (LAPTOP)		
	1-019			
	1-020	DEMONSTRATE THAT A PAYLOAD ANALOG	CUSTOMER VERIFY	
	1-021	VIDEO SIGNAL CAN BE DISPLAYED ON THE	ACCEPTABLE VIDEO ON	
	1-022	EXPRESS LAPTOP	LAPTOP	
	1-023			
156545-D	1-024	MAINTENANCE ON BOARD VIDEO (LAPTOP)		
	1-025			
	1-026	DEMONSTRATE THAT A PAYLOAD ANALOG	CUSTOMER VERIFY	
	1-027	VIDEO SIGNAL CAN BE DISPLAYED ON THE	ACCEPTABLE VIDEO ON	
	1-028	EXPRESS LAPTOP	LAPTOP	
	1-029			
	1-030			D:
156546	3	EXPRESS RACK FLUID LOOP SETTINGS	SSPF	A:GENERAL REQUIREMENT

OMRS Report
UIPT F8V2 Entry

Flight: ULF1

Payload: Space Dynamically Responding Ultrasonic Matrix Sys

	1-000			B:
	1-001	MAINTAIN FLOW THROUGH PM-TMS COOLANT	56 +/- 6 LBM/HR	C:
	1-002	LOOP		
	1-003			
	1-004			D:
156572		ARGON BOTTLE FILL	SSPF	A:PUSDRUMS
	1-000			B:
	1-001	INSERT DESCRIPTION HERE	INSERT PASS/FAIL	C:
	1-002		CRITERIA HERE	
	1-003			
	1-004			D: